

MSG 006A - RED FD02 MISSION SUMMARY

Good morning Red! Blue did a fantastic job while you slept and you are now back on the timeline. It's obvious all that extra time you had for training paid off. You are a squared away crew. We're looking forward to another productive shift.

All FREESTAR experiments are currently performing well following successful activation at 00/03:00! SOLCON and LPT have completed their initial ops successfully and are performing even better than anticipated. CVX is cooling their sample to prepare for calibration. And MEIDEX and SOLSE are preparing for their first observations.

Regarding HLS updates, you'll notice we've included 4 copies of the PCBA Control Range table. We would like you to use these to replace the ones in PCBA CHECKOUT (JSC HLS, NOM PROC) on page 5-18 step 24 and page 9-19. The one on page 9-19 is actually the cue card. You can do this for both the Mid-deck and SPACEHAB HLS books.

YOUR CURRENT ORBIT IS: 156 X 146 NM

NOTAMS:

EDWARDS (EDW) – LAKEBEDS RED/STANDING WATER
WHITE SANDS (NOR) – GREEN
KING KHALID (KKI) – 15L/33R CLOSED
NASSAU INTL (YNN) – RWY32 DISP THRESHOLD 3000 FT
BEN GUERIR (BEN) – NOT RECOMMENDED
BANJUL (BYD) – NOT RECOMMENDED
MONROVIA (LRB) - NOT RECOMMENDED
TAMANRASSETT (ATT) - NOT RECOMMENDED
SOUDA (GSA) – NOT SUPPORTING
DYESS (DYS) – NOT USABLE

NEXT 2 PLS OPPORTUNITIES:

EDW04 ORB	20	01/05:34
EDW04 ORB	35	02/04:00

OMS TANK FAIL CAPABILITY:

L OMS FAILS:	YES (SHALLOW TARGETS)
R OMS FAILS:	YES (SHALLOW TARGETS)

LEAKING OMS PRPLT BURN:

L OMS LEAK:	BURN OUT-OF-PLANE AN + 9 <= TIG <= AN + 40
R OMS LEAK:	BURN OUT-OF-PLANE AN + 9 <= TIG <= AN + 40

END OF PAGE 1 OF 2, MSG 006A

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OMS QUANTITIES(%)

L OMS OX = 34.1 R OMS OX = 34.2
FU = 33.8 FU = 33.8

DELTA V AVAILABLE:

OMS	316 FPS
ARCS (TOTAL ABOVE QTY1)	51 FPS
TOTAL IN THE AFT	367 FPS
ARCS (TOTAL ABOVE QTY2)	79 FPS
FRCS (ABOVE QTY 1)	50 FPS
AFT QTY 1	92 %
AFT QTY 2	54 %

<u>SYSTEM</u>	<u>FAILURE</u>	<u>IMPACT</u>	<u>WORK AROUND</u>
P/L	KU Ch 2 is experiencing Checksum errors and data dropouts	Loss of KU Ch 2 telemetry data	SH EDSMU switched to side B, with no joy; moved back to side A. Checksum has been disabled allowing Ku Ch 2 data to be received. With the Checksum disabled an occasional ground system crash is being experienced resulting in 3 to 4 minutes of data loss. Use as is, while further troubleshooting is devised.